Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/15/2022 08:55 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124437	-1	1.41	124299	1.39
Blue	F	SSC	125000	123563	-2	2.71	124156	2.64
Blue	E	FITC	15860	15401	-3	2.37	375	13.74
Blue	D	PE	27718	27348	-2	1.87	635	10.15
Blue	B	PerCP-Cy5-5	38046	37259	-3	3.04	1015	14.40
Blue	A	PE-Cy7	26092	26020	-1	4.94	506	30.16
Red	C	APC	49104	48228	-2	2.99	1699	11.72
Red	A	APC-Cy7	28201	27129	-4	3.35	716	12.14
Violet	B	V450	9904	9392	-6	3.61	522	11.81
Violet	A	V500	39004	37688	-4	3.33	982	9.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23938	1.97	564	-5	N/A	N/A	Pass
Blue	F	SSC	55269	1.55	519	-9	N/A	N/A	Pass
Blue	E	FITC	58	55.60	489	-2	0.0471	119	Pass
Blue	D	PE	124	37.93	495	-1	0.4677	355	Pass
Blue	B	PerCP-Cy5-5	140	44.33	587	-2	0.0218	111	Pass
Blue	A	PE-Cy7	65	92.25	631	-1	0.0226	4	Pass
Red	C	APC	328	26.46	579	-2	0.0260	96	Pass
Red	A	APC-Cy7	95	43.72	551	-4	0.0067	1540	Pass
Violet	B	V450	85	52.09	457	-1	0.0619	2840	Pass
Violet	A	V500	123	37.41	469	0	0.0260	2254	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.53	-31.34	1.16
Blue	20.37	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	15.11	13.90 - 20.86	N/A	N/A	29.70	29.94	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 10369

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments